RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/511,722_

Source: _public_

Date Processed by STIC: _8/4/05_

ENTERED

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          RAW SEQUENCE LISTING              DATE: 08/04/2005
          PATENT APPLICATION:  US/10/511,722    TIME: 14:19:01

          Input Set : A:\sequence listing.txt
          Output Set: N:\CRF4\08042005\J511722.raw

   3 <110> APPLICANT: Yeda Research and Development Co. Ltd.
   4        Wallach, David
   5        Shmushkovich , Taisia
   6        Ramakrishnan, Parameswaran
   8 <120> TITLE OF INVENTION: Derivatives of the IL-2 receptor Gamma chain, their
preparation and use
  10 <130> FILE REFERENCE: 530
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/511,722
C--> 12 <141> CURRENT FILING DATE: 2004-10-18
  12 <150> PRIOR APPLICATION NUMBER: 149217
  13 <151> PRIOR FILING DATE: 2002-04-18
  15 <150> PRIOR APPLICATION NUMBER: 152183
  16 <151> PRIOR FILING DATE: 2002-10-08
  18 <160> NUMBER OF SEQ ID NOS: 21
  20 <170> SOFTWARE: PatentIn version 3.1
  22 <210> SEQ ID NO: 1
  23 <211> LENGTH: 86
  24 <212> TYPE: PRT
  25 <213> ORGANISM: Homo sapiens
  27 <400> SEQUENCE: 1
  29 Glu Arg Thr Met Pro Arg Ile Pro Thr Leu Lys Asn Leu Glu Asp Leu
  30 1               5                   10                  15
  33 Val Thr Glu Tyr His Gly Asn Phe Ser Ala Trp Ser Gly Val Ser Lys
  34             20                  25                  30
  37 Gly Leu Ala Glu Ser Leu Gln Pro Asp Tyr Ser Glu Arg Leu Cys Leu
  38         35                  40                  45
  41 Val Ser Glu Ile Pro Pro Lys Gly Gly Ala Leu Gly Glu Gly Pro Gly
  42     50                  55                  60
  45 Ala Ser Pro Cys Asn Gln His Ser Pro Tyr Trp Ala Pro Pro Cys Tyr
  46 65              70                  75                  80
  49 Thr Leu Lys Pro Glu Thr
  50              85
  53 <210> SEQ ID NO: 2
  54 <211> LENGTH: 41
  55 <212> TYPE: PRT
  56 <213> ORGANISM: Homo sapiens
  58 <400> SEQUENCE: 2
  60 Leu Cys Leu Val Ser Glu Ile Pro Pro Lys Gly Gly Ala Leu Gly Glu
  61 1               5                   10                  15
  64 Gly Pro Gly Ala Ser Pro Cys Asn Gln His Ser Pro Tyr Trp Ala Pro
  65             20                  25                  30
  68 Pro Cys Tyr Thr Leu Lys Pro Glu Thr
  69         35                  40
  72 <210> SEQ ID NO: 3
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RAW SEQUENCE LISTING   DATE: 08/04/2005
PATENT APPLICATION: US/10/511,722   TIME: 14:19:01

Input Set : **A:\sequence listing.txt**
Output Set: **N:\CRF4\08042005\J511722.raw**

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 73 <211> LENGTH: 12
 74 <212> TYPE: PRT
 75 <213> ORGANISM: Homo sapiens
 77 <400> SEQUENCE: 3
 79 Trp Ala Pro Pro Cys Tyr Thr Leu Lys Pro Glu Thr
 80 1               5                   10
 83 <210> SEQ ID NO: 4
 84 <211> LENGTH: 39
 85 <212> TYPE: DNA
 86 <213> ORGANISM: Homo sapiens
 88 <400> SEQUENCE: 4
 89 tgggcccccc catgttacac cctaaagcct gaaacctga                         39
 92 <210> SEQ ID NO: 5
 93 <211> LENGTH: 261
 94 <212> TYPE: DNA
 95 <213> ORGANISM: Homo sapiens
 97 <400> SEQUENCE: 5
 98 gaacggacga tgccccgaat tcccaccctg aagaacctag aggatcttgt tactgaatac   60
100 cacgggaact tttcggcctg gagtggtgtg tctaagggac tggctgagag tctgcagcca  120
102 gactacagtg aacgactctg cctcgtcagt gagattcccc caaaaggagg ggcccttggg  180
104 gaggggcctg gggcctcccc atgcaaccag catagccccct actgggcccc cccatgttac  240
106 accctaaagc ctgaaacctg a                                            261
109 <210> SEQ ID NO: 6
110 <211> LENGTH: 126
111 <212> TYPE: DNA
112 <213> ORGANISM: Homo sapiens
114 <400> SEQUENCE: 6
115 ctctgcctcg tcagtgagat tcccccaaaa ggaggggccc ttggggaggg gcctgggggcc   60
117 tccccatgca accagcatag ccccctactgg gcccccccat gttacaccct aaagcctgaa  120
119 acctga                                                             126
122 <210> SEQ ID NO: 7
123 <211> LENGTH: 37
124 <212> TYPE: DNA
125 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 7
128 ctcgtcagtg agattgccgc aaaaggaggg gcccttg                            37
131 <210> SEQ ID NO: 8
132 <211> LENGTH: 37
133 <212> TYPE: DNA
134 <213> ORGANISM: Homo sapiens
136 <400> SEQUENCE: 8
137 caagggcccc tccttttgcg gcaatctcac tgacgag                            37
140 <210> SEQ ID NO: 9
141 <211> LENGTH: 35
142 <212> TYPE: DNA
143 <213> ORGANISM: Homo sapiens
145 <400> SEQUENCE: 9
146 gcccctactg ggccgccgca tgttacaccc taaag                              35
149 <210> SEQ ID NO: 10
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RAW SEQUENCE LISTING   DATE: 08/04/2005
PATENT APPLICATION: US/10/511,722   TIME: 14:19:01

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\08042005\J511722.raw

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150 <211> LENGTH: 35
151 <212> TYPE: DNA
152 <213> ORGANISM: Homo sapiens
154 <400> SEQUENCE: 10
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158 <210> SEQ ID NO: 11
159 <211> LENGTH: 39
160 <212> TYPE: DNA
161 <213> ORGANISM: Homo sapiens
163 <400> SEQUENCE: 11
164 gtcagtgaga ttcccccagc aggaggggcc cttggggag               39
167 <210> SEQ ID NO: 12
168 <211> LENGTH: 39
169 <212> TYPE: DNA
170 <213> ORGANISM: Homo sapiens
172 <400> SEQUENCE: 12
173 ctccccaagg gcccctcctg ctgggggaat ctcactgac               39
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 33
178 <212> TYPE: DNA
179 <213> ORGANISM: Homo sapiens
181 <400> SEQUENCE: 13
182 ggaggggccc ttggggcggg gcctggggcc tcc                     33
185 <210> SEQ ID NO: 14
186 <211> LENGTH: 33
187 <212> TYPE: DNA
188 <213> ORGANISM: Homo sapiens
190 <400> SEQUENCE: 14
191 ggaggccccca ggccccgccc caagggcccc tcc                    33
194 <210> SEQ ID NO: 15
195 <211> LENGTH: 33
196 <212> TYPE: DNA
197 <213> ORGANISM: Homo sapiens
199 <400> SEQUENCE: 15
200 cagcatagcc cctacgcggc ccccccatgt tac                     33
203 <210> SEQ ID NO: 16
204 <211> LENGTH: 33
205 <212> TYPE: DNA
206 <213> ORGANISM: HOMO SAPIENS
208 <400> SEQUENCE: 16
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212 <210> SEQ ID NO: 17
213 <211> LENGTH: 44
214 <212> TYPE: PRT
215 <213> ORGANISM: Homo sapiens
217 <400> SEQUENCE: 17
219 Trp Leu Glu Arg Thr Met Pro Arg Ile Pro Thr Leu Lys Asn Leu Glu
220 1               5                   10                  15
223 Asp Leu Val Thr Glu Tyr His Gly Asn Phe Ser Ala Trp Ser Gly Val
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RAW SEQUENCE LISTING   DATE: 08/04/2005
PATENT APPLICATION: US/10/511,722   TIME: 14:19:01

Input Set : **A:\sequence listing.txt**
Output Set: **N:\CRF4\08042005\J511722.raw**

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224              20            25             30
227 Ser Lys Gly Leu Ala Glu Ser Leu Gln Pro Asp Tyr
228         35            40
231 <210> SEQ ID NO: 18
232 <211> LENGTH: 81
233 <212> TYPE: PRT
234 <213> ORGANISM: Homo sapiens
236 <400> SEQUENCE: 18
238 His Arg Val Ser Ala Ala Glu Leu Gly Gly Lys Val Asn Arg Ala Leu
239 1               5                  10                  15
242 Gln Gln Val Gly Gly Leu Lys Ser Pro Trp Arg Gly Glu Tyr Lys Glu
243             20            25             30
246 Pro Arg His Pro Pro Pro Asn Gln Ala Asn Tyr His Gln Thr Leu His
247         35            40             45
250 Ala Gln Pro Arg Glu Leu Ser Pro Arg Ala Pro Gly Pro Arg Pro Ala
251     50            55             60
254 Glu Glu Thr Thr Gly Arg Ala Pro Lys Leu Gln Pro Pro Leu Pro Pro
255 65            70             75             80
258 Glu
262 <210> SEQ ID NO: 19
263 <211> LENGTH: 324
264 <212> TYPE: PRT
265 <213> ORGANISM: Homo sapiens
267 <400> SEQUENCE: 19
269 Pro Leu Thr Ala Gln Ala Ile Gln Glu Gly Leu Arg Lys Glu Pro Ile
270 1               5                  10                  15
273 His Arg Val Ser Ala Ala Glu Leu Gly Gly Lys Val Asn Arg Ala Leu
274             20            25             30
277 Gln Gln Val Gly Gly Leu Lys Ser Pro Trp Arg Gly Glu Tyr Lys Glu
278             35            40             45
281 Pro Arg His Pro Pro Pro Asn Gln Ala Asn Tyr His Gln Thr Leu His
282     50            55             60
285 Ala Gln Pro Arg Glu Leu Ser Pro Arg Ala Pro Gly Pro Arg Pro Ala
286 65            70             75             80
289 Glu Glu Thr Thr Gly Arg Ala Pro Lys Leu Gln Pro Pro Leu Pro Pro
290             85            90             95
293 Glu Pro Pro Glu Pro Asn Lys Ser Pro Pro Leu Thr Leu Ser Lys Glu
294             100           105            110
297 Glu Ser Gly Met Trp Glu Pro Leu Pro Leu Ser Ser Leu Glu Pro Ala
298         115           120            125
301 Pro Ala Arg Asn Pro Ser Ser Pro Glu Arg Lys Ala Thr Val Pro Glu
302     130           135            140
305 Gln Glu Leu Gln Gln Leu Glu Ile Glu Leu Phe Leu Asn Ser Leu Ser
306 145           150            155            160
309 Gln Pro Phe Ser Leu Glu Glu Gln Glu Gln Ile Leu Ser Cys Leu Ser
310             165           170            175
313 Ile Asp Ser Leu Ser Leu Ser Asp Asp Ser Glu Lys Asn Pro Ser Lys
314             180           185            190
317 Ala Ser Gln Ser Ser Arg Asp Thr Leu Ser Ser Gly Val His Ser Trp
```

```
318          195                200                205
321 Ser Ser Gln Ala Glu Ala Arg Ser Ser Ser Trp Asn Met Val Leu Ala
322     210                215                220
325 Arg Gly Arg Pro Thr Asp Thr Pro Ser Tyr Phe Asn Gly Val Lys Val
326 225                230                235                240
329 Gln Ile Gln Ser Leu Asn Gly Glu His Leu His Ile Arg Glu Phe His
330                 245                250                255
333 Arg Val Lys Val Gly Asp Ile Ala Thr Gly Ile Ser Ser Gln Ile Pro
334             260                265                270
337 Ala Ala Ala Phe Ser Leu Val Thr Lys Asp Gly Gln Pro Val Arg Tyr
338         275                280                285
341 Asp Met Glu Val Pro Asp Ser Gly Ile Asp Leu Gln Cys Thr Leu Ala
342     290                295                300
345 Pro Asp Gly Ser Phe Ala Trp Ser Trp Arg Val Lys His Gly Gln Leu
346 305                310                315                320
349 Glu Asn Arg Pro
353 <210> SEQ ID NO: 20
354 <211> LENGTH: 357
355 <212> TYPE: PRT
356 <213> ORGANISM: Homo sapiens
358 <400> SEQUENCE: 20
360 Met Leu Lys Pro Ser Leu Pro Phe Thr Ser Leu Leu Phe Leu Gln Leu
361 1            5                10                15
364 Pro Leu Leu Gly Val Gly Leu Asn Thr Thr Ile Leu Thr Pro Asn Gly
365             20                25                30
368 Asn Glu Asp Thr Thr Ala Asp Phe Phe Leu Thr Thr Met Pro Thr Asp
369         35                40                45
372 Ser Leu Ser Val Ser Thr Leu Pro Leu Pro Glu Val Gln Cys Phe Val
373     50                55                60
376 Phe Asn Val Glu Tyr Met Asn Cys Thr Trp Asn Ser Ser Ser Glu Pro
377 65                70                75                80
380 Gln Pro Thr Asn Leu Thr Leu His Tyr Trp Tyr Lys Asn Ser Asp Asn
381             85                90                95
384 Asp Lys Val Gln Lys Cys Ser His Tyr Leu Phe Ser Glu Glu Ile Thr
385         100                105                110
388 Ser Gly Cys Gln Leu Gln Lys Lys Glu Ile His Leu Tyr Gln Thr Phe
389         115                120                125
392 Val Val Gln Leu Gln Asp Pro Arg Glu Pro Arg Arg Gln Ala Thr Gln
393     130                135                140
396 Met Leu Lys Leu Gln Asn Leu Val Ile Pro Trp Ala Pro Glu Asn Leu
397 145                150                155                160
400 Thr Leu His Lys Leu Ser Glu Ser Gln Leu Glu Leu Asn Trp Asn Asn
401             165                170                175
404 Arg Phe Leu Asn His Cys Leu Glu His Leu Val Gln Tyr Arg Thr Asp
405         180                185                190
408 Trp Asp His Ser Trp Thr Glu Gln Ser Val Asp Tyr Arg His Lys Phe
409         195                200                205
412 Ser Leu Pro Ser Val Asp Gly Gln Lys Arg Tyr Thr Phe Arg Val Arg
413     210                215                220
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/04/2005
PATENT APPLICATION: US/10/511,722   TIME: 14:19:02

Input Set : **A:\sequence listing.txt**
Output Set: **N:\CRF4\08042005\J511722.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 8

Input Set : **A:\sequence listing.txt**
Output Set: **N:\CRF4\08042005\J511722.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date